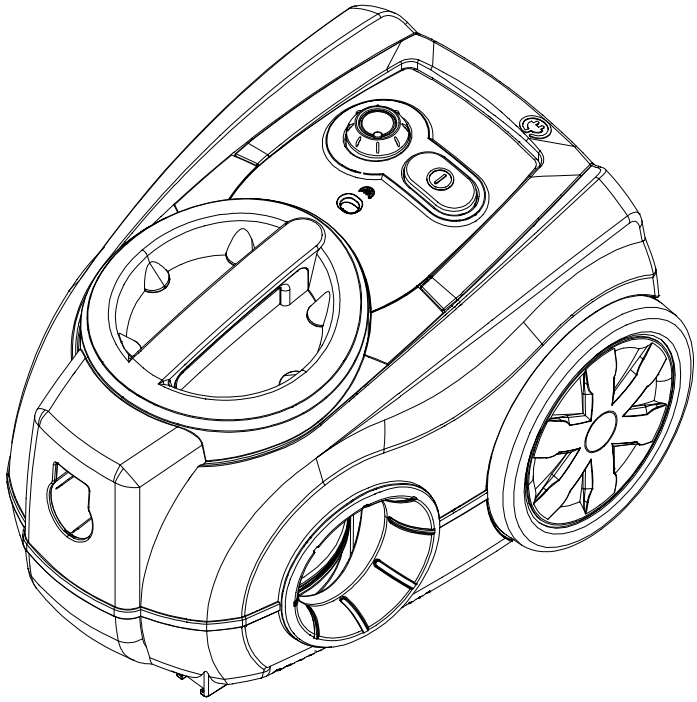
DAEWOO

Service Manual

VACUUM CLEANER

MODEL : RCC-740



DAEWOO ELECTRONICS CO., LTD

June,2006

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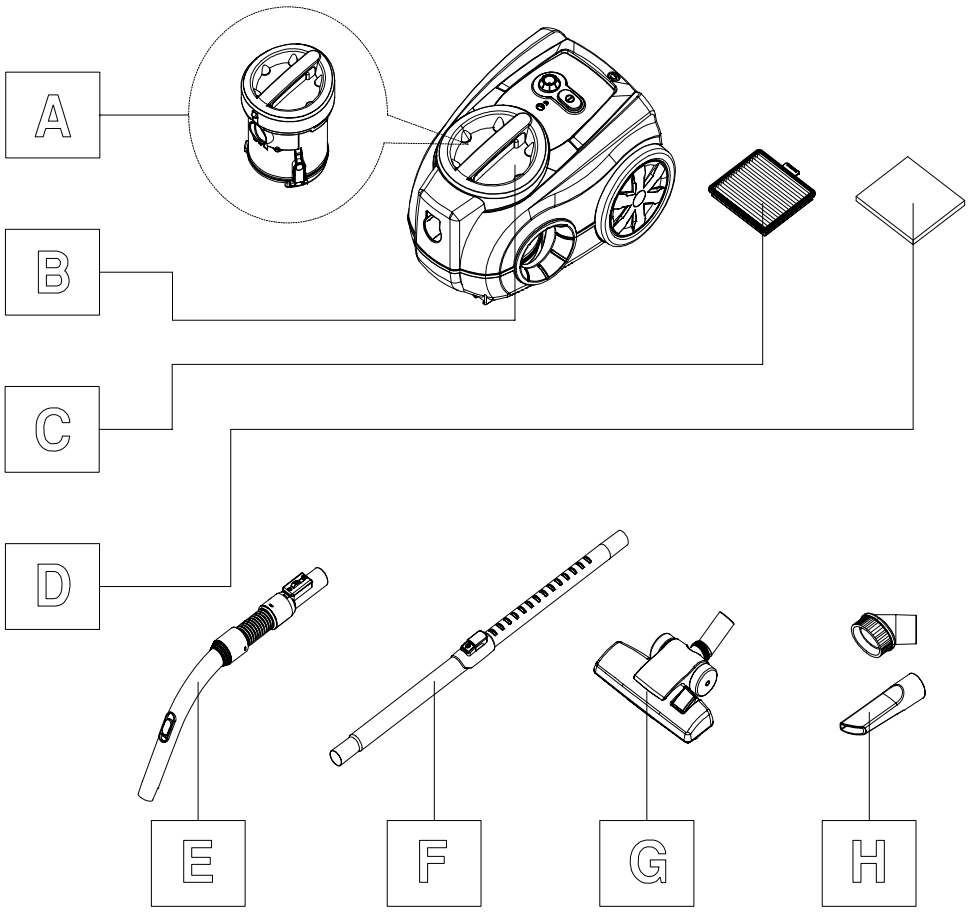
1. SPECIFICATIONS

MODEL	RCC-740		
Rating	AC 230V, 50Hz		
Watts	1800W		
Weight(body)	4.5Kg		
Dimension (WxDxH)	4413 x 228 x 295mm		
Anti-biotic NanoSilver	Dust Box		
Hose	PVC transparency 1.6M		
Pipe	One touch		
Main Brush	Pedal		
Sub Brush	Dusting / Crevice		
Exhaust Filter	HEPA Filter		
convenience	transparency dust box / 360 degree rotational hose / stand keeping and body keeping temporary / convenient handle for moveing		

2. EXTERNAL VIEW

2-1. ASSEMBLY

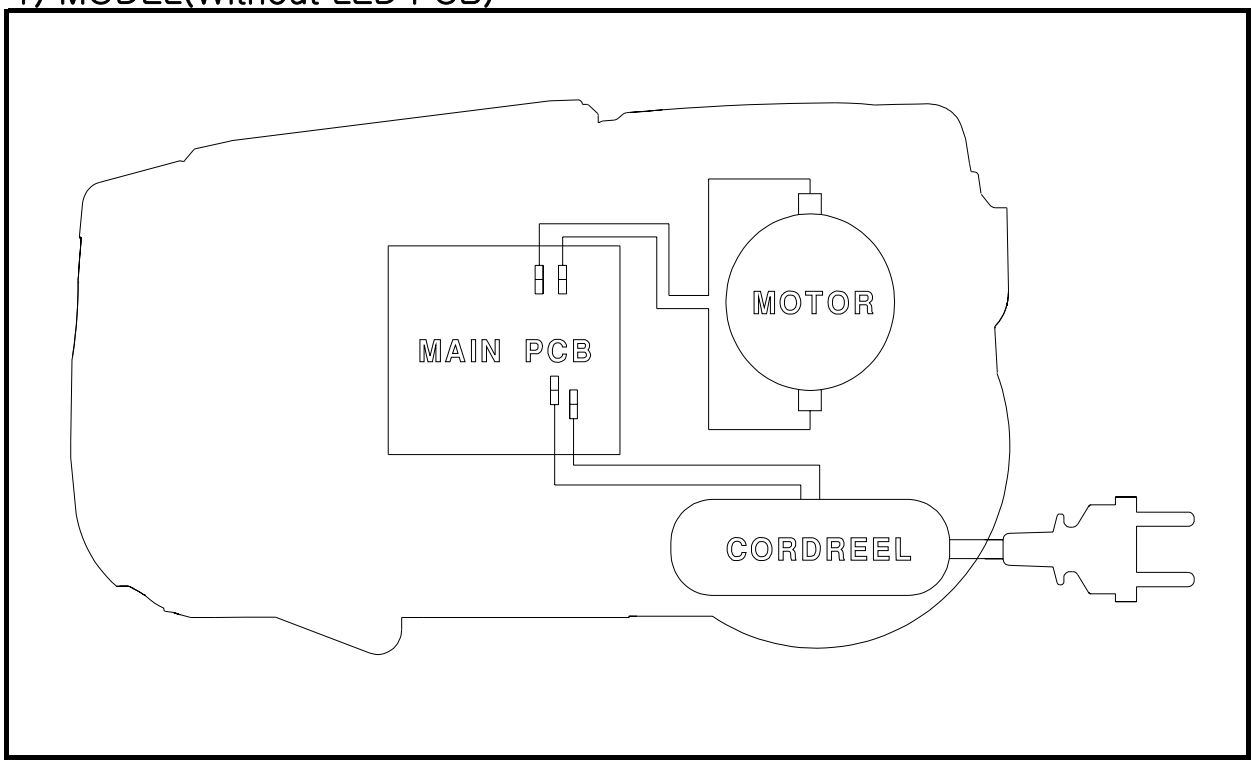
Part Name	RCC-740		
A - Dust Box	○		
B - Mood Lamp	X		
C - HEPA Filter	○		
D - General Filter	X		
E - Open Grip Hose	○		
F - Pipe (One touch aluminum)	○		
G - Main Brush (Pedal)	○		
H - Dusting, Crevice Nozzle	○		



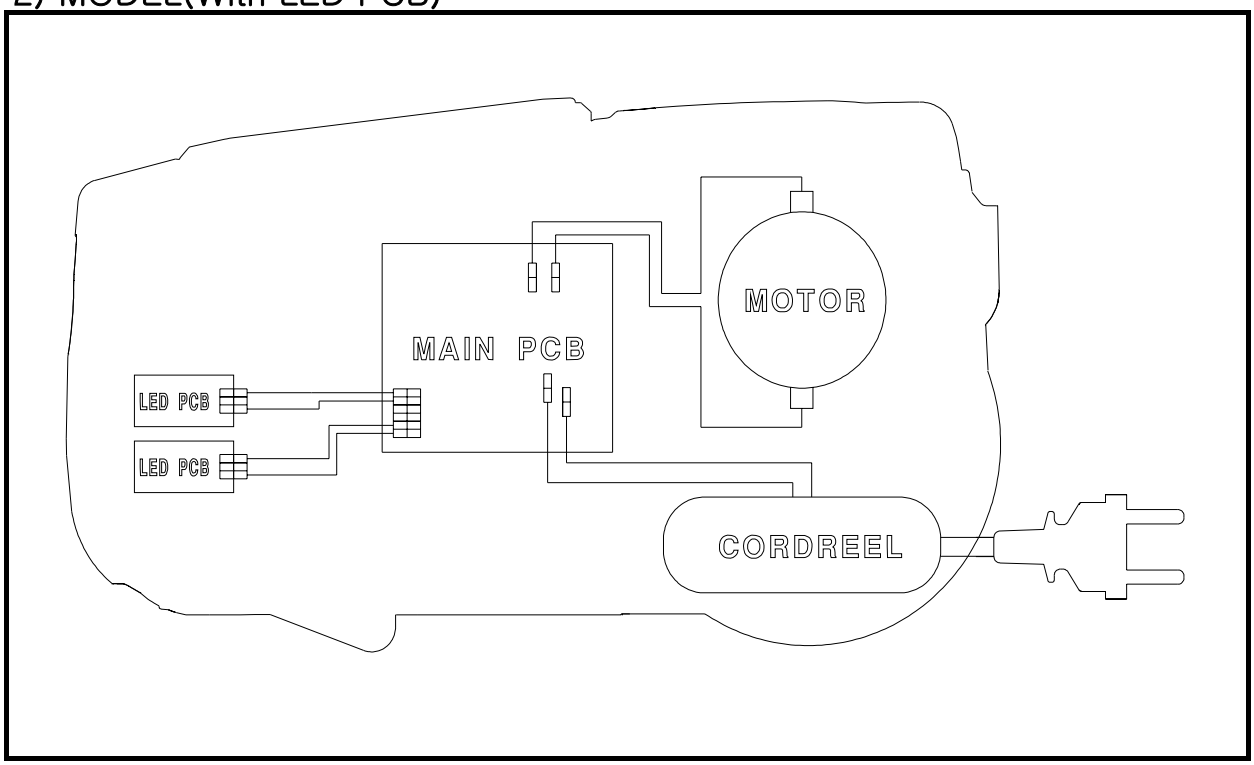
3. DIAGRAM

3-1. WIRING DIAGRAM

1) MODEL(Without LED PCB)

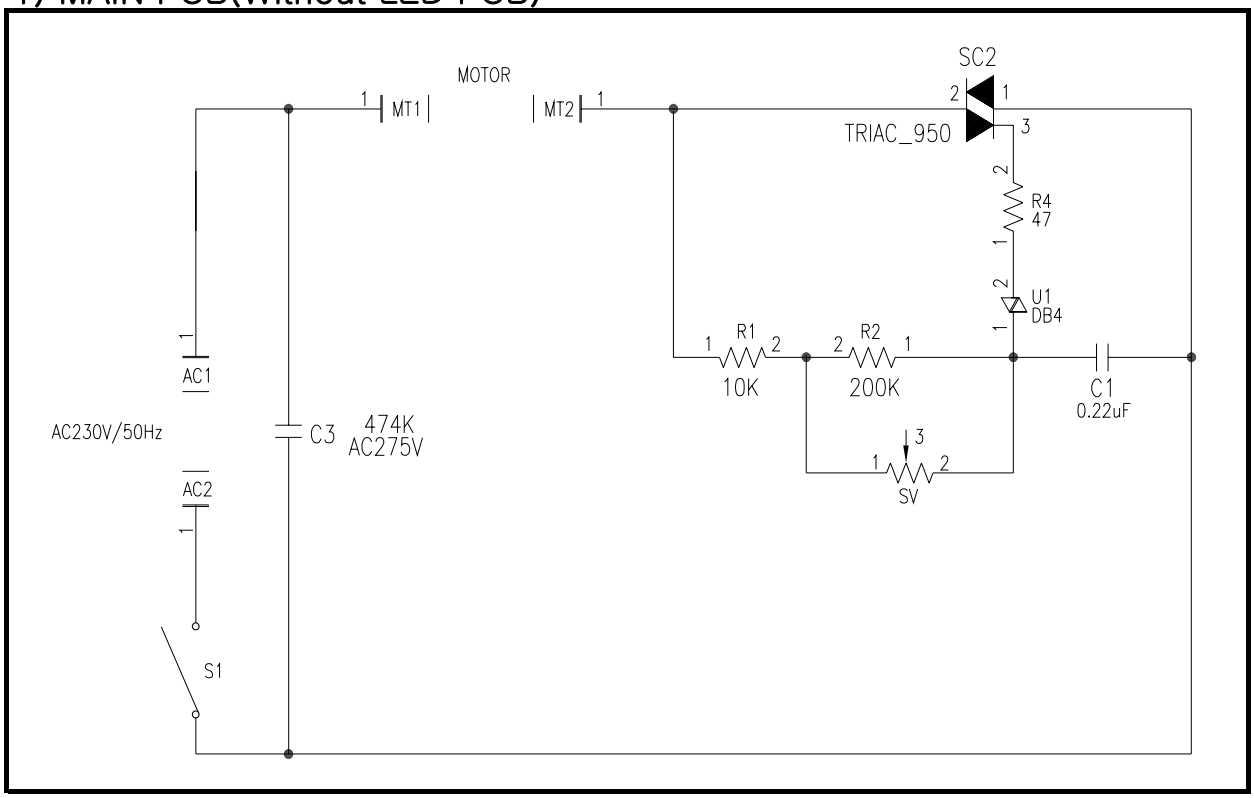


2) MODEL(With LED PCB)

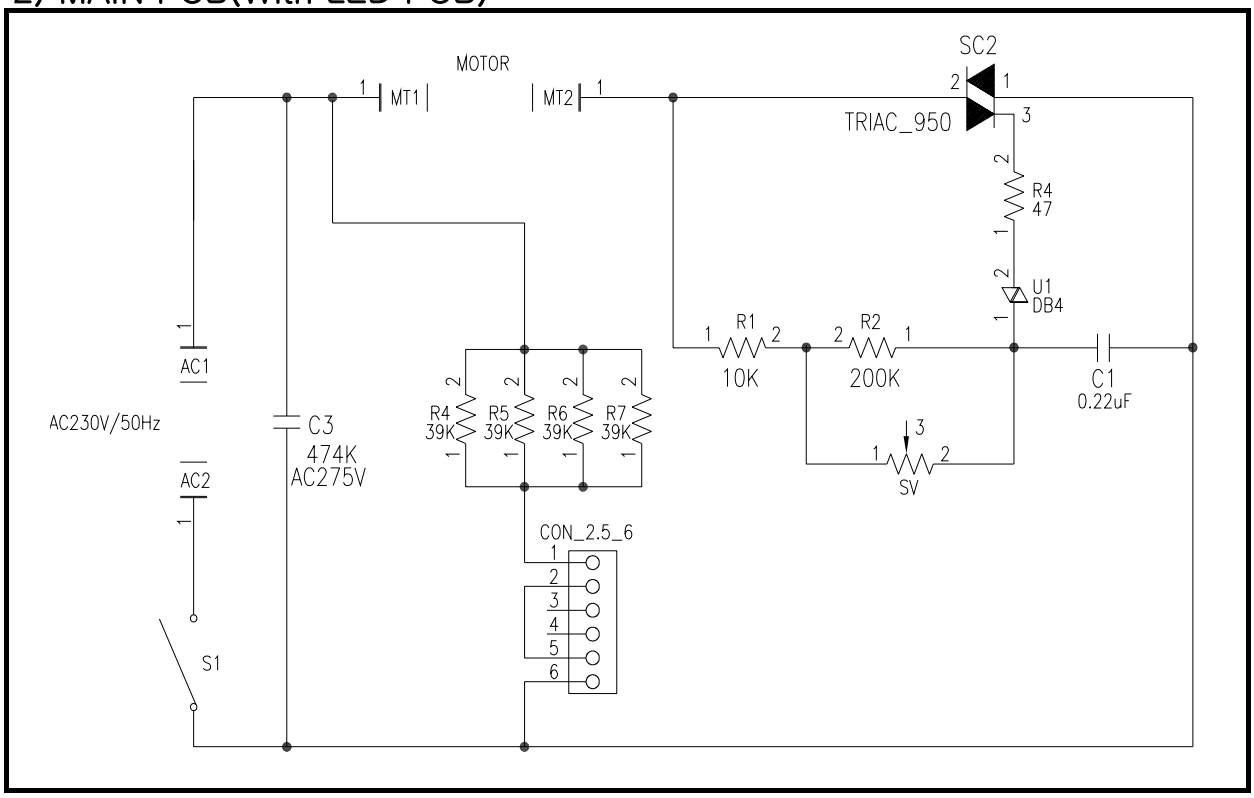


3-2. CIRCUIT DIAGRAM

1) MAIN PCB(Without LED PCB)



2) MAIN PCB(With LED PCB)



4. Trouble Shooting Guide

☞ *CAUTION ! Please surely unpluged power plug before repairing.*

TROUBLE	CAUSE	CHECKING	COUNTERMEASURE
Suction power is weak	Dust box is full with dust	Dust Box (See 5-7)	Remove the dust
	Dust box is installed incorrectly	Dust Box (See 5-7)	Reinstall dust box
	Filter in dust box is clogged with dust	Dust Box (See 5-7)	Cleaning→drying→using
	Exhaust filter is clogged with dust	Body (See 5-2)	Cleaning→drying→using
	Defective motor	Motor (See 5-5)	Replace the motor
	Filter in the body assembly is clogged with dust	Motor (See 5-5)	Clean the filter
	Clogging or tear in hose	Hose (See 5-6)	Remove obstacle or replace the hose
	Telescopic pipe is clogged with large dust		Remove obstacle
	Brush nozzle or hose is clogged with large dust	Brush (See 5-8)	Remove obstacle
Dust full indicator is on in the body	Dust full indicator will be executed when dust box is filled up with dust or hose is clogged with obstacle.	Dust Box (See 5-7)	Remove dust
		Hose (See 5-6)	Remove obstacle
		Pipe	Remove obstacle
		Brush (See 5-8)	Remove obstacle
Vacuum cleaner does not work	Breaking in power cord	Cord reel (See 5-4)	Replace power cord
	Bad contacts in cord reel assembly		Repair bad contact
	Breaking of connections in cord reel assembly		Repair Disconnection
	Defective terminal connection of PCB in body	PCB (See 5-1)	Check terminal connection state
	Defective PCB	PCB (See 5-1)	Replace PCB
	Defective contact between PCB and motor/cord reel	PCB (See 5-1)	Repair bad contact
	Motor out	Motor (See 5-5)	Replace Motor
	Fuse disconnection	Cord reel (See 5-4)	Replace fuse
Motor does not stop even if switch off	Defective PCB	PCB (See 5-1)	Replace PCB
Power cord is not wound up	Broken reel sping of cord reel	Cord reel (See 5-4)	Replace Cord reel
	Power cord is interwined	Cord reel (See 5-4)	Repair interwinement

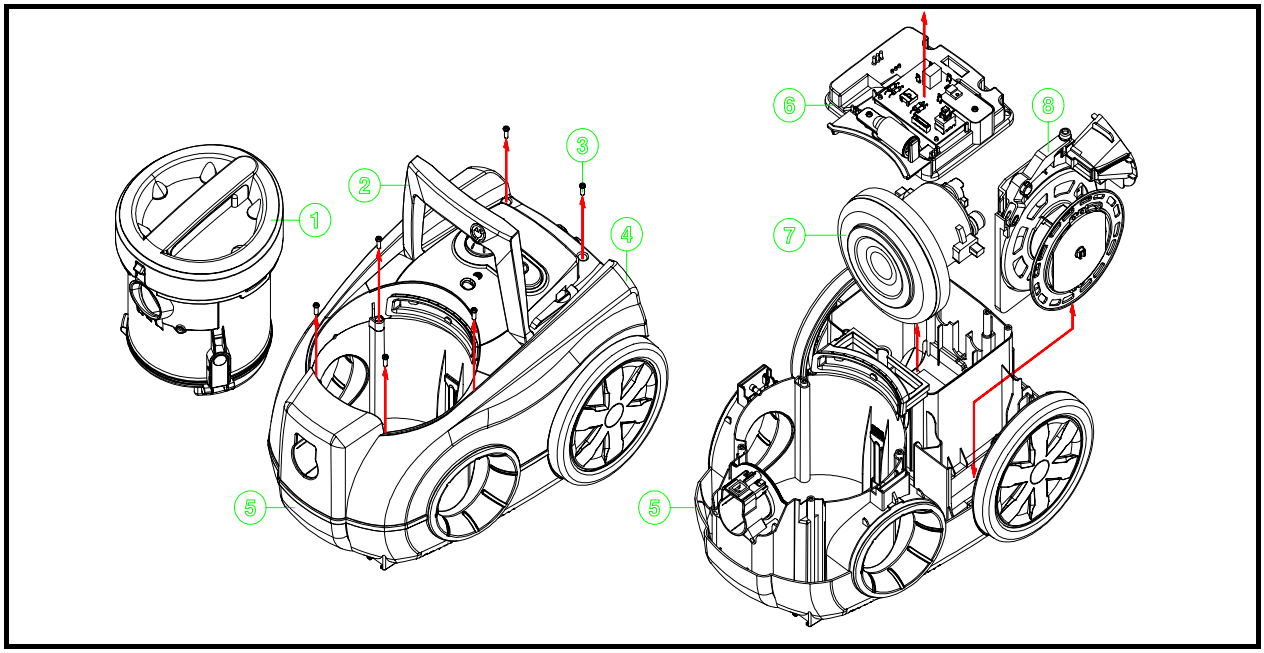
CAUTION

Be careful when breaking up the cord reel, the reelspring may spring out of the spring cover.

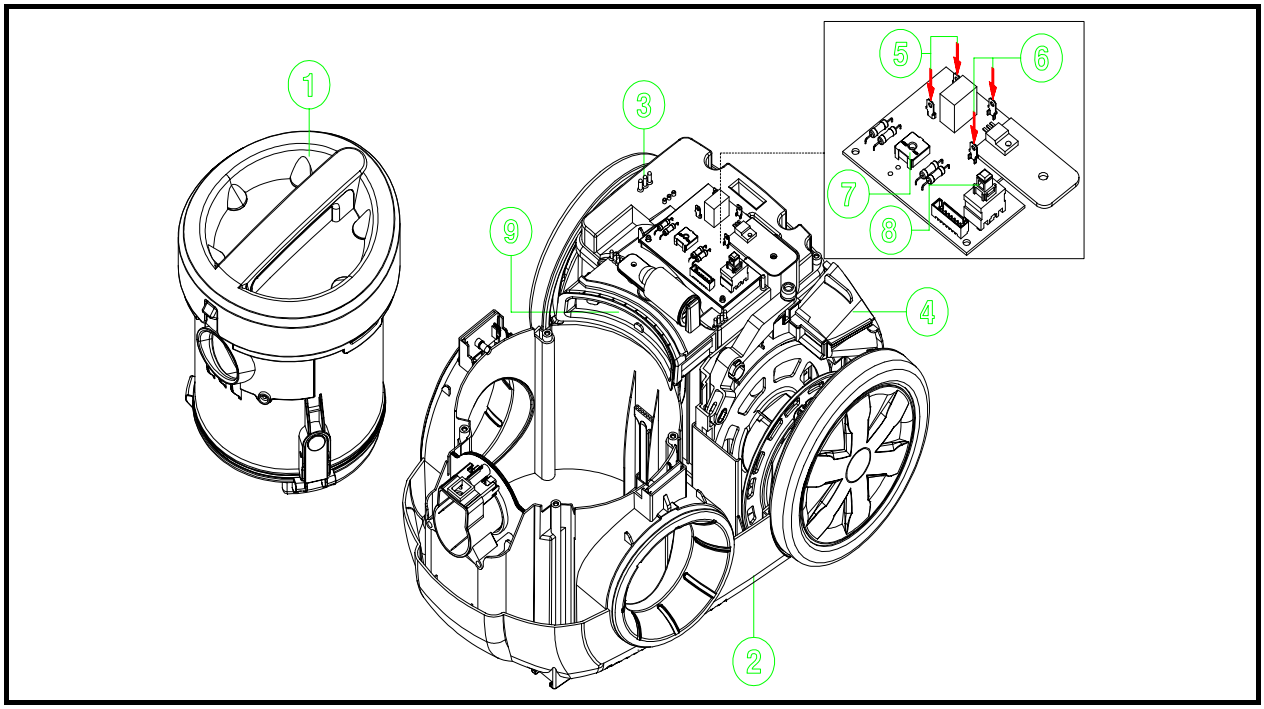
Power cord does not stop at an arbitraty position	Abrasion of the roller tire of cord reel	Cord reel (See 5-4)	Replace tire
	Broken lever	Cord reel (See 5-4)	Replace lever
	Lever spring broken away from cord reel bracket	Cord reel (See 5-4)	Repair lever spring
	Bobbin is transformed	Cord reel (See 5-4)	Replace bobbin
	Bracket is transformed	Cord reel (See 5-4)	Replace bracket
	Lever is pushed by handle	Cover (See 5-3)	Repair handle
Brush does not rotate any direction	Clogged impurites in rotational part	Brush (See 5-8)	Remove impurites

5. DISASSEMBLING AND TERATMENT

5-1. CLEANER ASSEMBLY

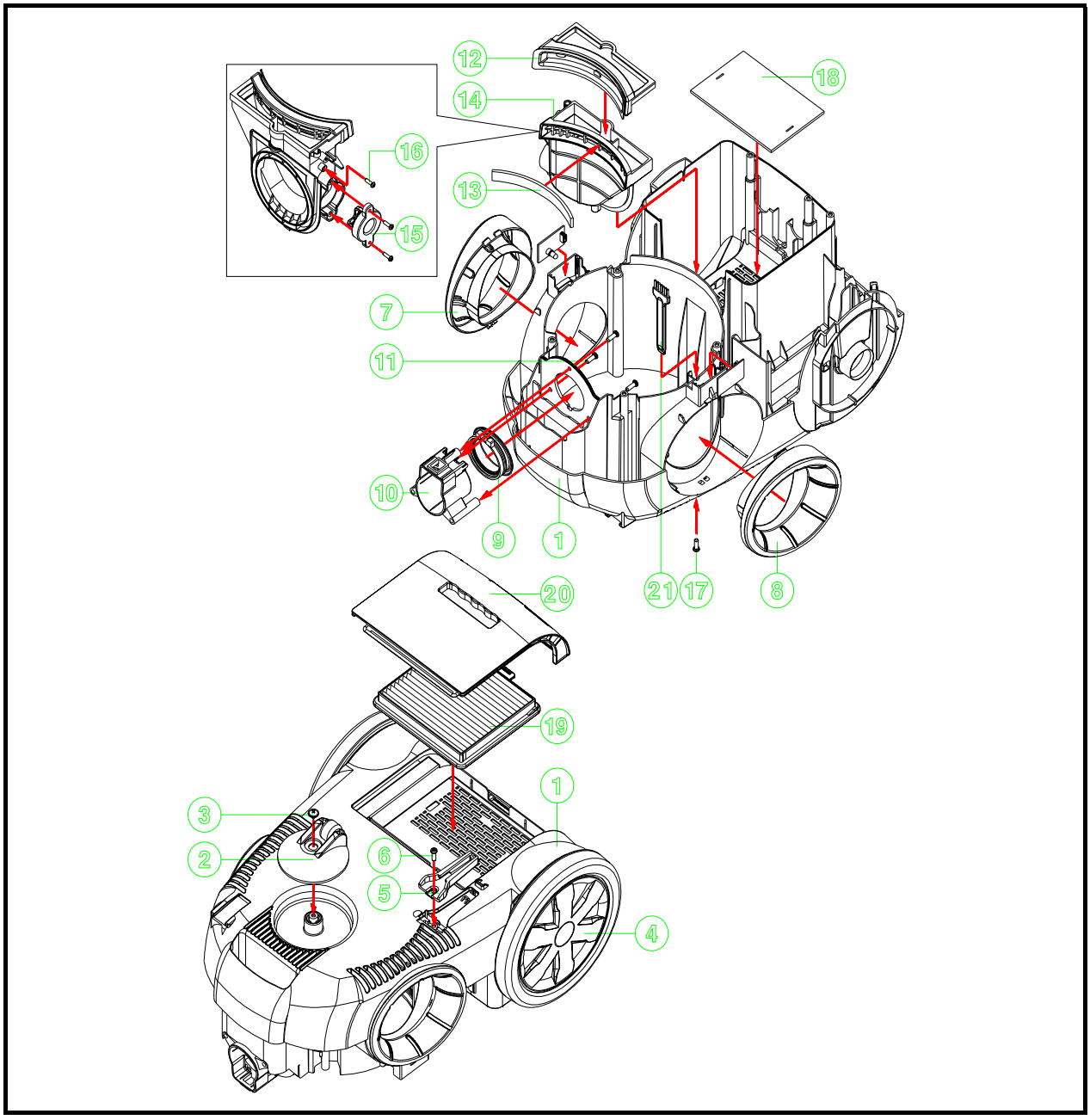


1) Remove dust box assembly(1) from body assembly(5).
2) Lift handle(2) up cover assembly(4) then unscrew 6 screws(3).
4) Remove cover assembly(4) from body assembly(5).
5) Remove cord reel assembly(8), case motor assembly(6) and motor assembly(6) from body assembly(5).



1) Check dust leakage between dust box(1) and body assembly(2) (Cause of defective motor).
2) Check inlet(9) of body assembly(2) clogged with dust (Cause of low suction power).
3) Check connection between wire connector(6) of cord reel and PCB (Cause of malfunction).
4) Check connection between wire connector(5) of motor and PCB (Cause of malfunction).
5) Check PCB circuit, ON/OFF switch(8) and rotary volume(7) (Cause of of malfunction).

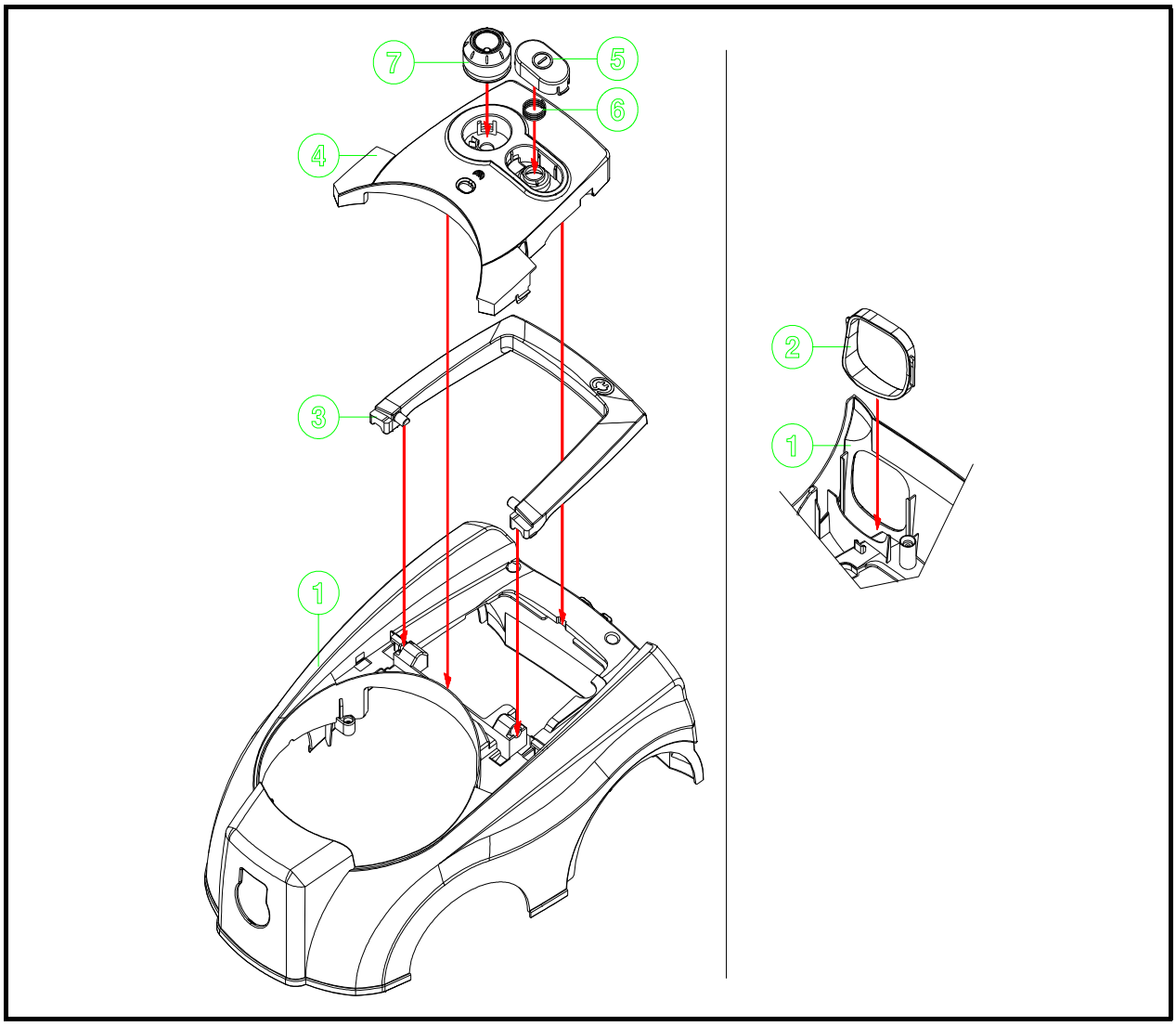
5-2. BODY ASSEMBLY



1) Unscrew 3 screw(11) and separate socket(10) from body(1).
2) Remove socket(10) then separate packing socket(9) from body(1).
3) Unscrew 1 screw(17) then separate guide(14) from body(1).
4) Assembling is reverse order of disassembly.

1) Check leakage between socket(10) and packing socket(9) (Cause of low suction power).
2) Check leakage between guide(14) and packing dust box(12) (Cause of low suction power).
3) Check impurities in roller(2,4) (Cause of roller malfunction).
4) Check leakage between safety assembly(15) and body(1) (Cause of low suction power).
5) Check filter assembly(19) clogged with dust.
(Cause of low suction power and overheating of cleaner body)

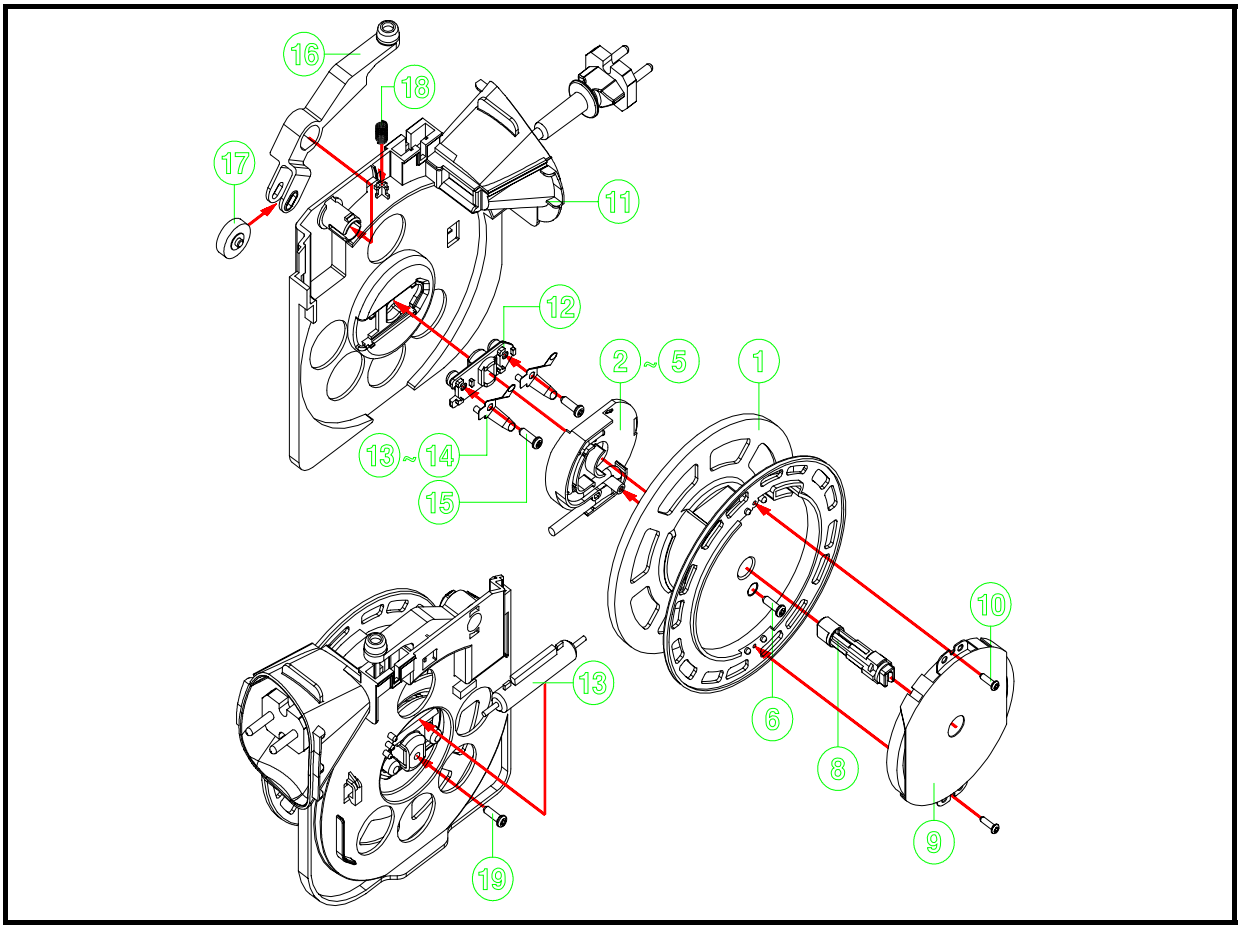
5-3. COVER ASSEMBLY



1) Remove cover assembly from body assembly.
2) Remove handle(3) and cover top variable(4) from cover body(1).
3) Assembling is reverse order of disassembly.

1) Check handle(3) (Cause of defective cord rewinding).
2) Check button switch(5) (Cause of malfunction).
3) Check button variable(7) (Cause of malfunction).

5-4. CORDREEL ASSEMBLY



1) Separate cord reel assembly form body.
2) Separate plug of power cord(5) from bracket(11) and turn bobbin counterclockwise 4~5 times by holding Unscrew 1 screw(19).
3) Separate bobbin(1) from bracket(11).
4) Unscrew 2 screws(15) then separate wires(13,14) from supporter terminal(12).
5) Unscrew 2 screws(10) then separate reel sping assembly(9).

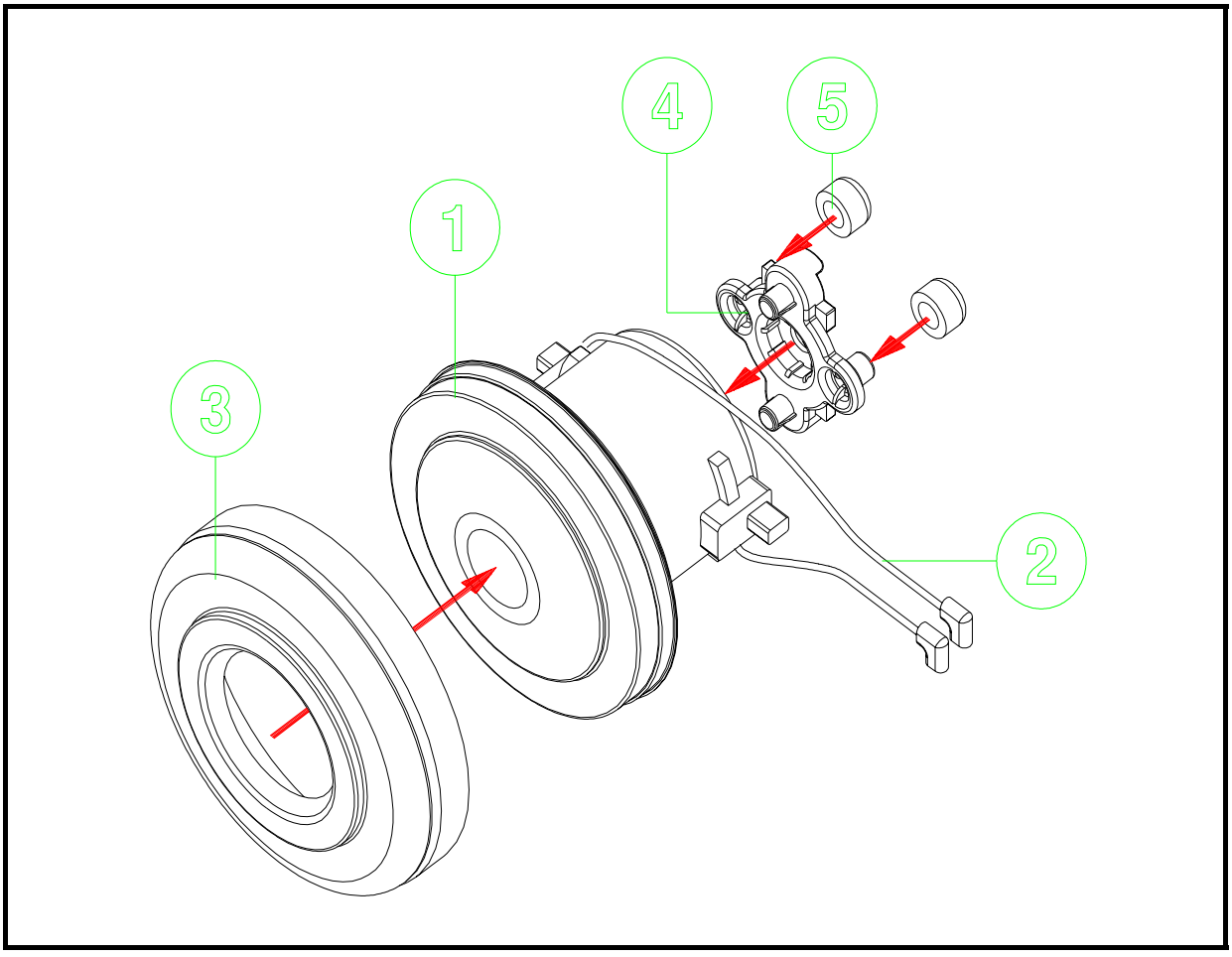
CAUTION

Be careful when disassembling the cord reel, the reelspring may spring out of the spring cover.

6) Unscrew 1 screw(6) then separate hole terminal(2~4) from bobbin(1).
7) Assembling is reverse order of disassembly. Make reserved winding 5 revolutions of bobbin clockwise then assemble plug of power cord to bracket.

1) Check connection between power cord and plug(5) (Cause of malfunction)
2) Check breaking of connection in power cord(5) (Cause of malfunction)
3) Check contact and abrasion between Y terminal(13,14) and ring terminal(3,4) (Cause of malfunction)
4) Check connection between Y terminal(13,14) and wires (Cause of malfunction)
5) Check connection between terminal ring(3,4) and power cord.
6) Check spring(18) of lever (Cause of automatic rewinding by itself).
7) Check lever(16) (Cause of automatic rewinding by itself).
8) Check abrasion in tire(17) of stopper (Cause of automatic rewinding by itself).
9) Check reel spring assembly(9) is damaged (Cause of unwinding power cord).
10) Check power cord(5) is entangled in bobbin(1) (Cause of unwinding power cord).
11) Check fuse(13) (Cause of malfunction).
12) Check bobbin(1) is transformed (Cause of unwinding bobbin or noise)

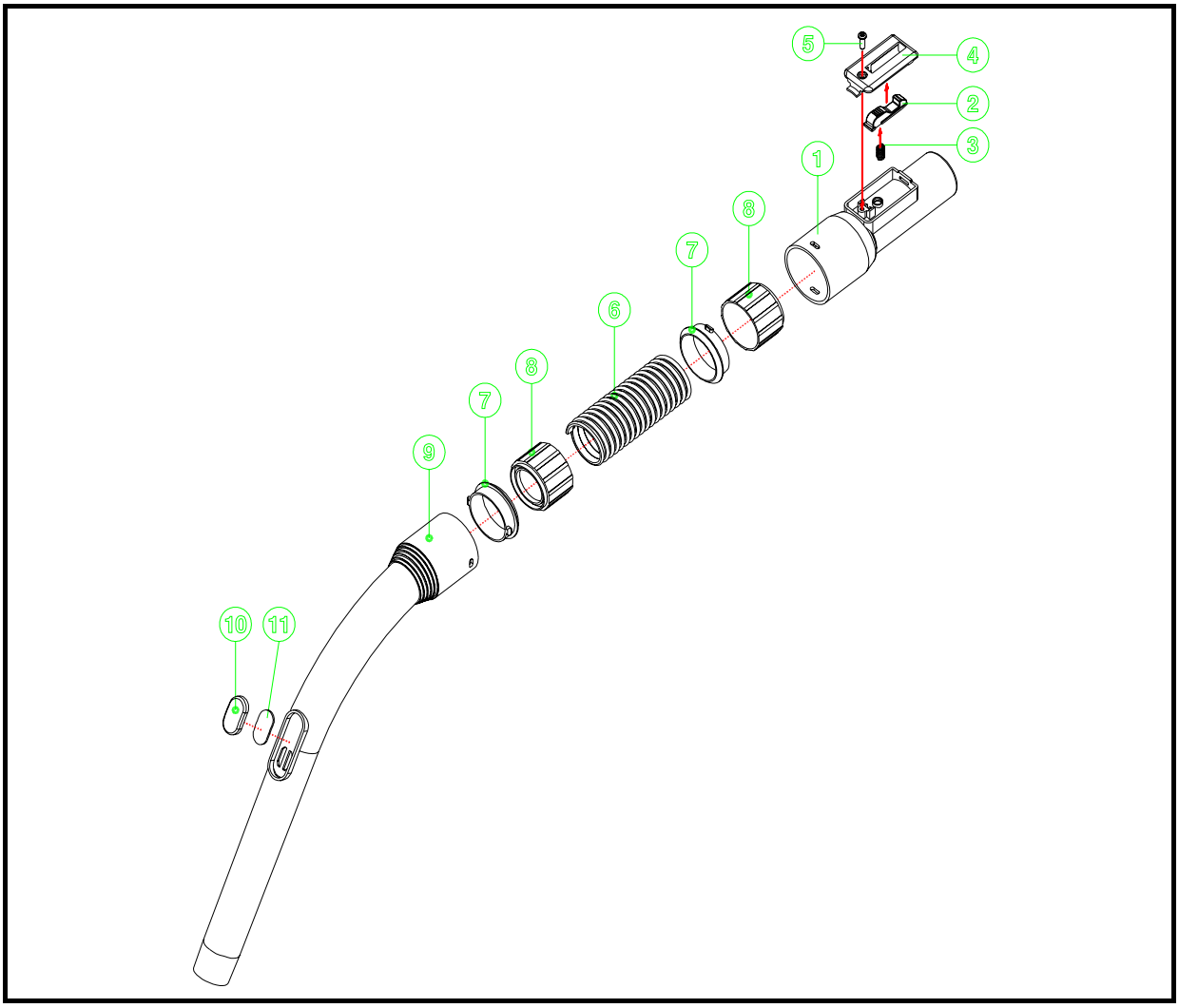
5-5. MOTOR ASSEMBLY



1) Separate motor assembly from body assembly.
2) Assembling is reverse order of disassembly. Put motor wire in a hole of body before assembling.

1) Check motor(1) brush is damaged (Cause of malfunction, noise or smell).
2) Check connection between motor(1) and wire(2) (Cause of malfunction).
3) Check leakage between packing motor(3) and motor(1) (Cause of low suction power).

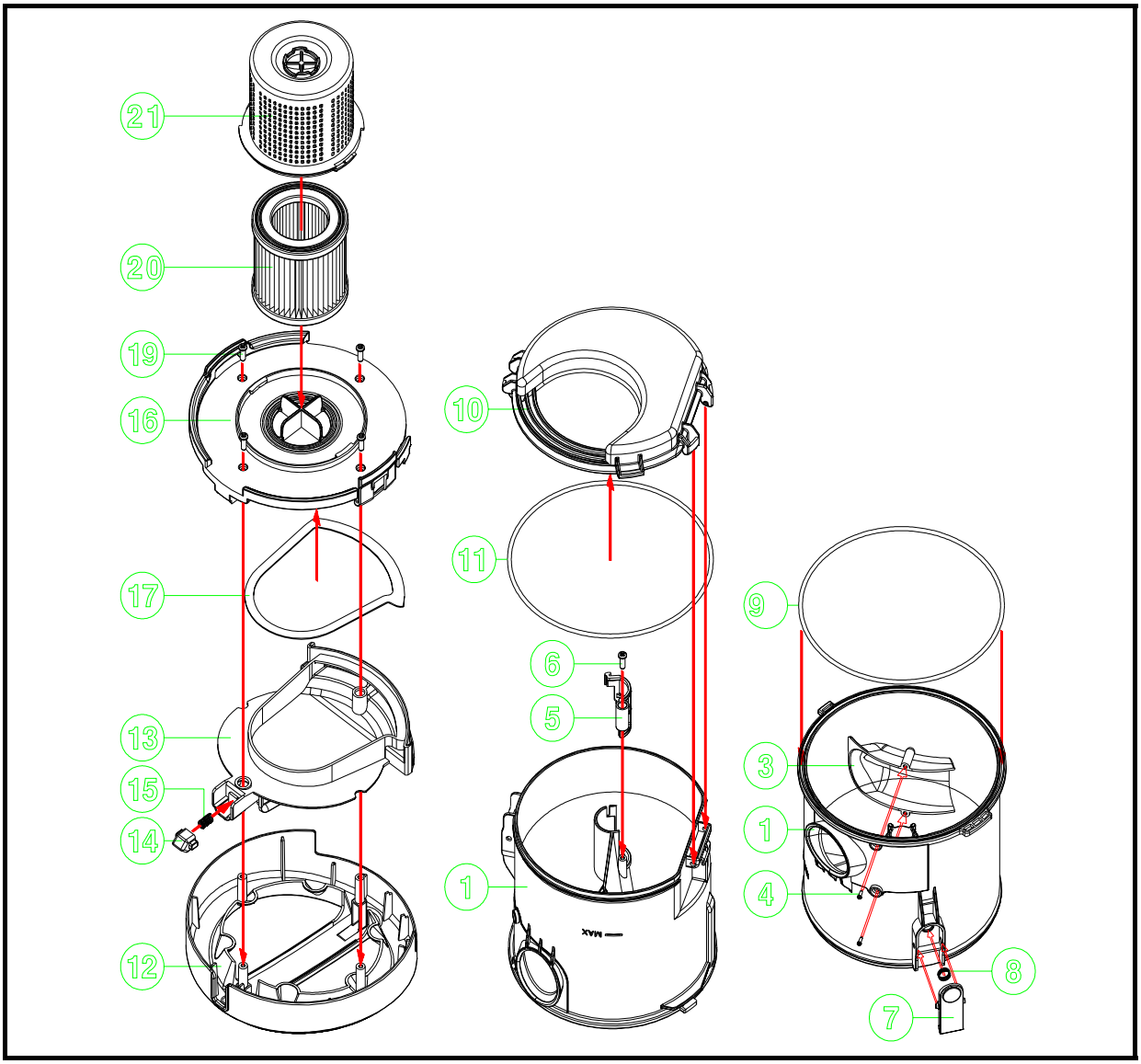
5-6. HOSE ASSEMBLY



1) Unscrew 1 screws(5) then separate cover adapter(4). Separate clamp(2).
2) Assembling is reverse order of disassembly

1) Check assembling states of knob(10) (Cause of air leakage)
2) Check connection between pipe hose(9) and holder(7) (Cause of breakaway).
3) Check connection between adapter pipe(1) and holder(7) (Cause of breakaway).
4) Check hose(6) is clogged with large dust (Cause of low suction and overheating).

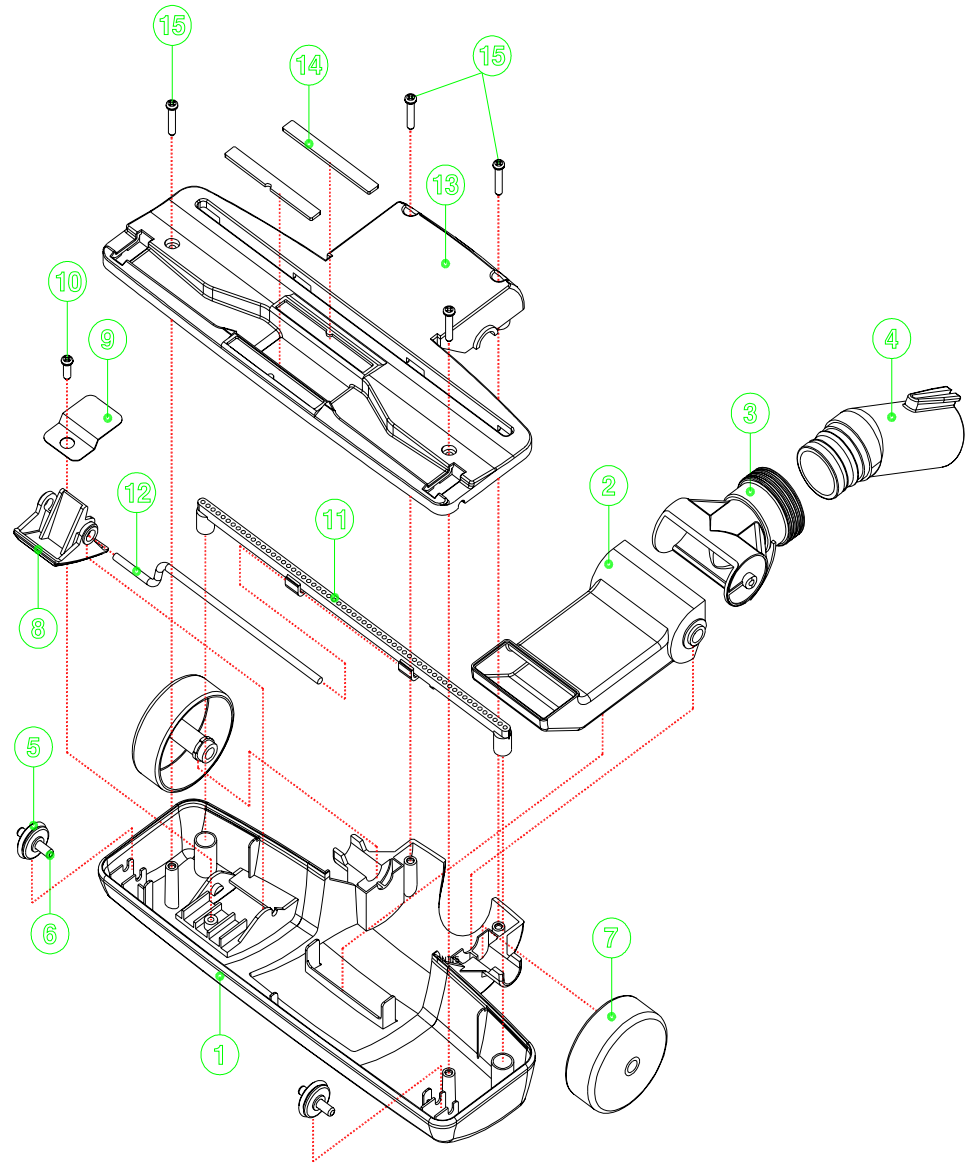
5-7. DUST BOX ASSEMBLY



1) Unscrew 4 screws(19) then separate cover middle(13), guide outlet(16) and filter assembly(20,21).
2) Unscrew 1 screw(6) then separate frame filter(5) from box dust(1).
3) Unscrew 2 screw(4) then separate guide inlet(3) from box dust(1).
3) Assembling is reverse order of disassembly

1) Check clamp(7) (Cause of breakaway of cover bottom)
2) Check inside between guide air inlet(3) and box dust(1) clogged with large object or not.
   (Cause of low suction power)
3) Check assemble state (a air leak or not) of gasket(11) of cover bottom(10) and box dust(1)
   (Cause of fine dust leakage)
4) Check frame filter(5) (Cause of malfuction of dust compression).
5) Check assemble state(a air leak or not) of cover middle(13) and guide air outlet(16).
   (Cause of fine dust leakage)
6) Check clamp(14) (Cause of breakaway of dust box).
7) Check filter assembly(20,21) clogged with dust.
   (Cause of low suction power and overheating of cleaner body).

5-8. BRUSH PEDAL ASSEMBLY



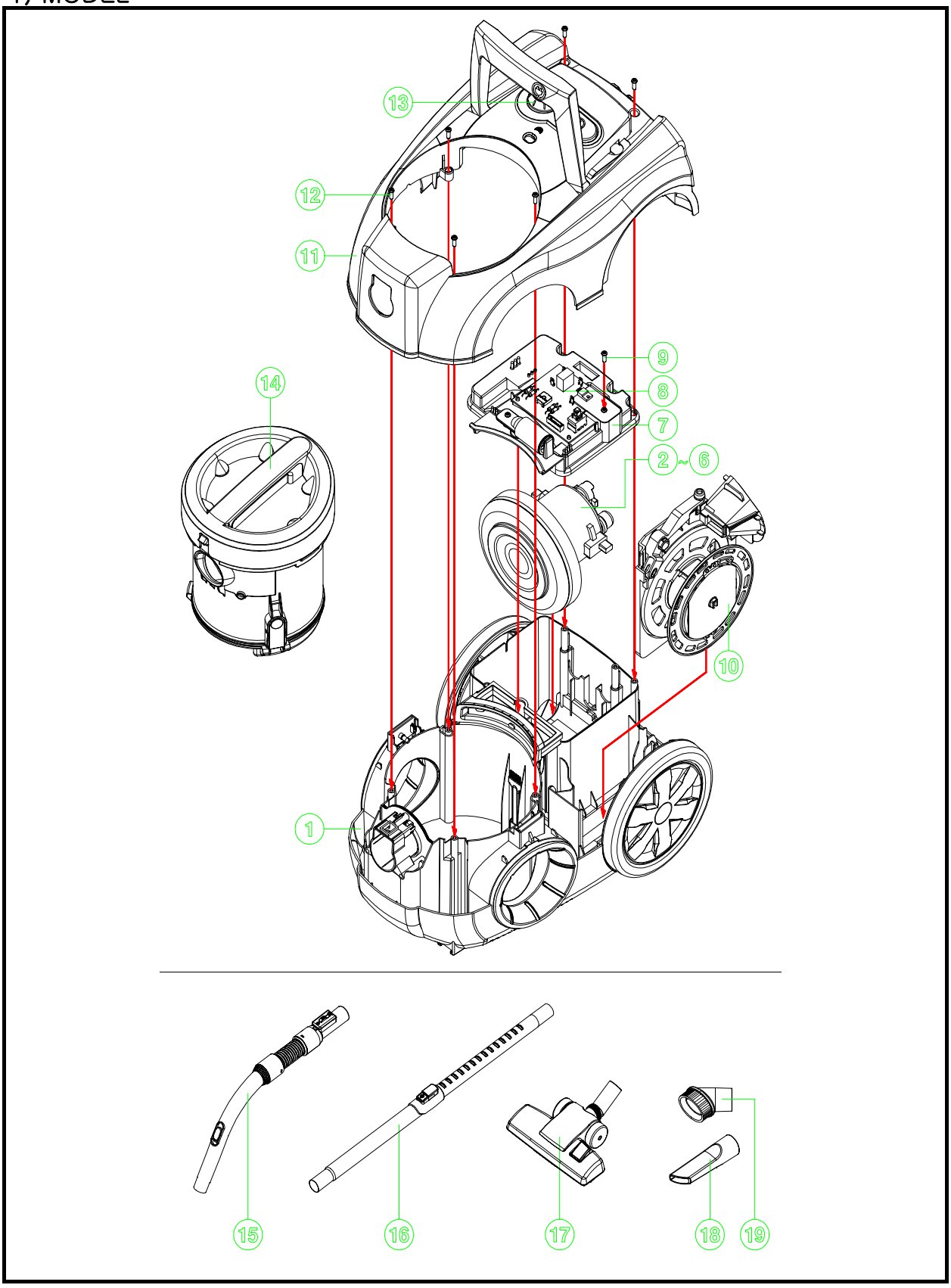
1) Unscrew 4 screws(15) then separate body(13).
2) Assembling is reverse order of disassembly.

1) Check the opening of the duct(2), the neck brush(3) and the pipe brush(4) are clogged with the dust (Cause of low suction power).

6. EXPLODED VIEW AND PARTS LIST

6-1. CLEANER ASSEMBLY

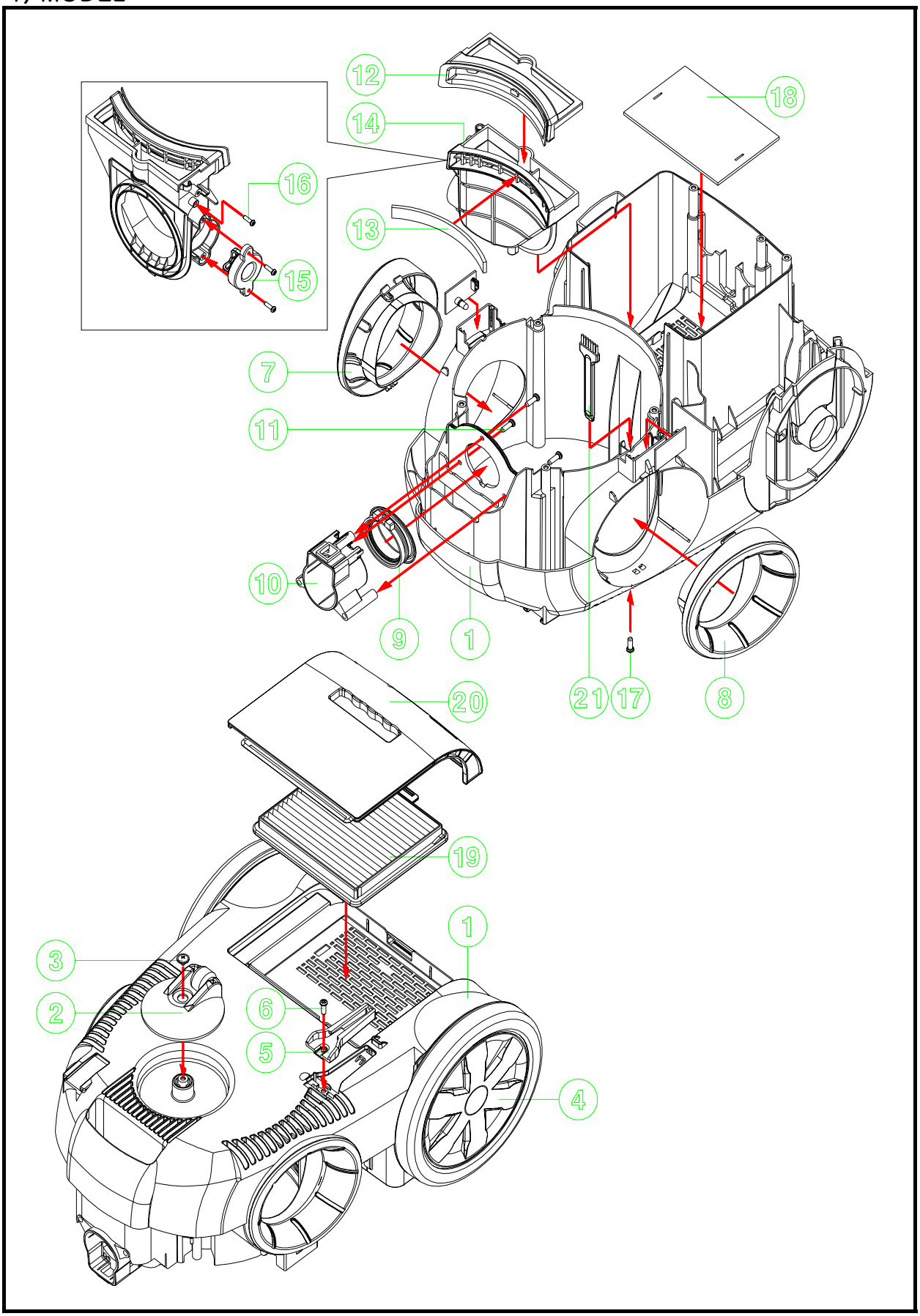
1) MODEL



NO	PART NAME	PART CODE	SPECS.	Q'YT
1	BODY AS	3620433910	ASSY(RCC-740) BODY VARIABLE	1
2	MOTOR UNIVERSAL	396251180D	230V 1600W, V1J-PH27	1
3	HARNESS MOTOR	3622713150	TER+TER, 1015 AWG18, 290MM	1
4	PACKING MOTOR	3624012700	NR FOAM, 덕승 1600W	1
5	FRAME MOUNT MOTOR	3622207000	PP	1
6	ABSORBER FRAME DS	3620114400	NR	2
7	CASE MOTOR TOP AS	3621111300	ASSY(RCC-740)	1
8	PCB POWER CONTROL AS	3624318200	RCC-740 230V 50HZ	1
9	SCREW TAPPING	7121401412	T2S PAN 4X14 MFZN BK	1
10	CORD REEL AS	3629509110	ASSY,RCC-740 230V	1
11	COVER BODY AS	3621452920	ASSY(RCC-740) BODY VARIABLE	1
12	SCREW TAPPING	7121402011	T2S PAN 4X20 MFZN	6
13	BUTTON VARIABLE	3626610600	ABS	1
14	BOX DUST AS	3620511200	ASSY(RCC-740)	1
15	HOSE AS	3623210600	RC-400(WIRELESS, EVA)	1
16	PIPE AS	36244114BH	TELESCOPIC.SPC.T0.7 - PAINTING	1
17	BRUSH AS	362930910H	ASSY(STEEL,GY004A,CHINA HOWE	1
18	NOZZLE CREVICE	3628100600	PP	1
19	BRUSH DUSTING	3629305000	PP+NYLON	1

6-2. BODY ASSEMBLY

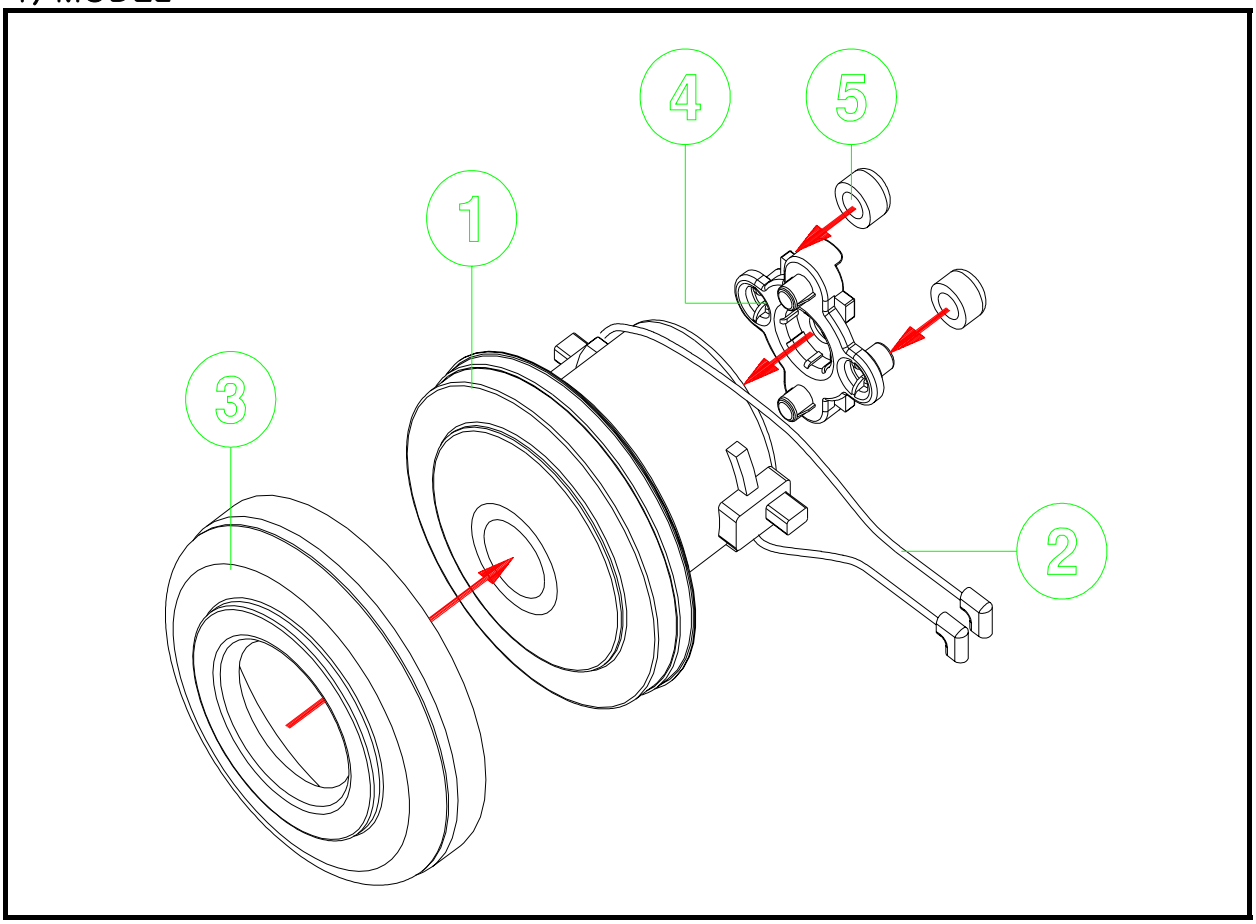
1) MODEL



NO	PART NAME	PART CODE	SPECS.	Q'YT
1	BODY	3620433800	PP	1
2	ROLLER AS	3624701300	BRACKET & ROLLER (P.P)	1
3	SCREW TAPPING	7128401212	T2S WAS 4X12 MFZN BK	1
4	ROLLER BACK ASSY	3624710500	ASSY(PP+PVC)	2
5	HOLDER BRUSH	3623005500	PP	1
6	SCREW TAPPING	7121401412	T2S PAN 4X14 MFZN BK	1
7	COVER SIDE DECO L	3621451100	ABS	1
8	COVER SIDE DECO R	3621451200	ABS	1
9	PACKING SOCKET	3624011300	NR	1
10	SOCKET	3629803400	PP	1
11	SCREW TAPPING	7121401412	T2S PAN 4X14 MFZN BK	3
12	PACKING DUST BOX	3624012400	PVC	1
13	FILTER INLET	3621915600	PU,BK,T=3.0,13X114 (BODY)	1
14	GUIDE DUCT	3622508000	PP	1
15	SAFETY AS	3625402000	ASSY	1
16	SCREW TAPPING	7121301011	T2S PAN 3X10 MFZN	2
17	SCREW TAPPING	7121401412	T2S PAN 4X14 MFZN BK	1
18	FILTER EXHUAST	3621915500	PE,BK,T=3.0,118.4X77.3 (BODY)	1
19	FILTER EXHAUST	3621915700	PE,WH,T=16.0,134X120.5(BODY)	1
20	GRILLE EXHAUST	3622402100	PP	1
21	BRUSH DUST BOX	3629313600	PP+식모	1

6-3. MOTOR ASSEMBLY

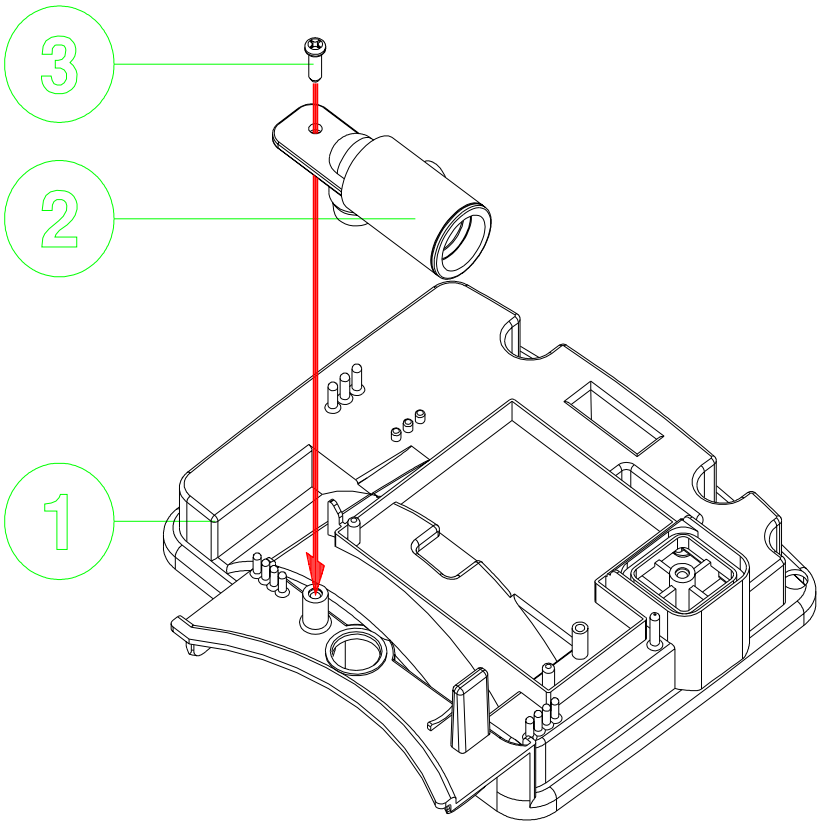
1) MODEL



NO	PART NAME	PART CODE	SPECS.	Q'YT
1	MOTOR UNIVERSAL	396251180D	230V 1600W, V1J-PH27	1
2	HARNESS MOTOR	3622713150	TER+TER, 1015 AWG18, 290MM	1
3	PACKING MOTOR	3624012700	NR FOAM, 덕승 1600W	1
4	FRAME MOUNT MOTOR	3622207000	PP	1

6-4. CASE MOTOR TOP ASSEMBLY

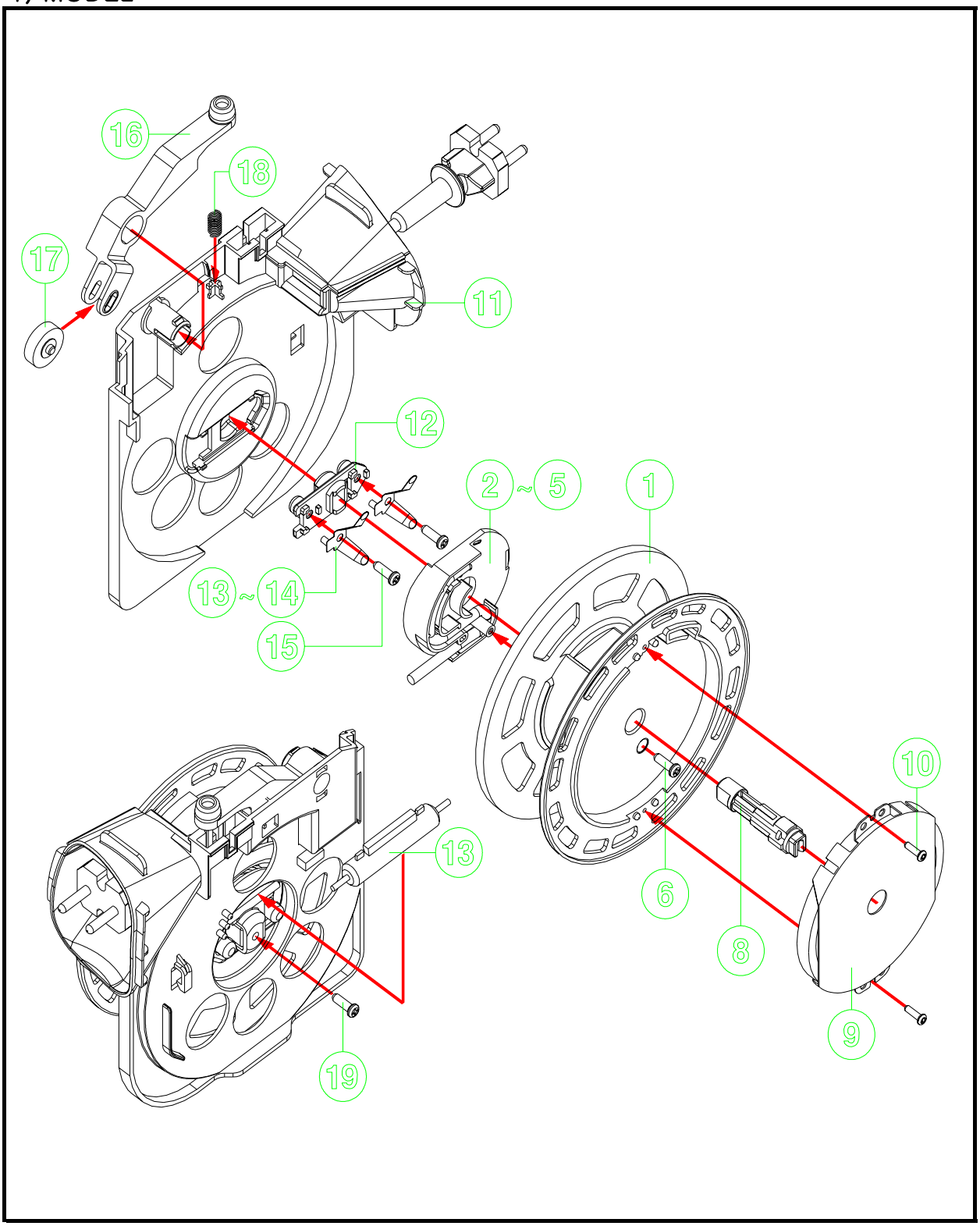
1) MODEL



NO	PART NAME	PART CODE	SPECS.	Q'YT
1	CASE MOTOR TOP	3621111100	PP	1
2	DUST METER AS	3629705000	ASSY, RCC-740	1
3	SCREW TAPPING	7121401412	T2S PAN 4X14 MFZN BK	1

6-5. CORDREEL ASSEMBLY

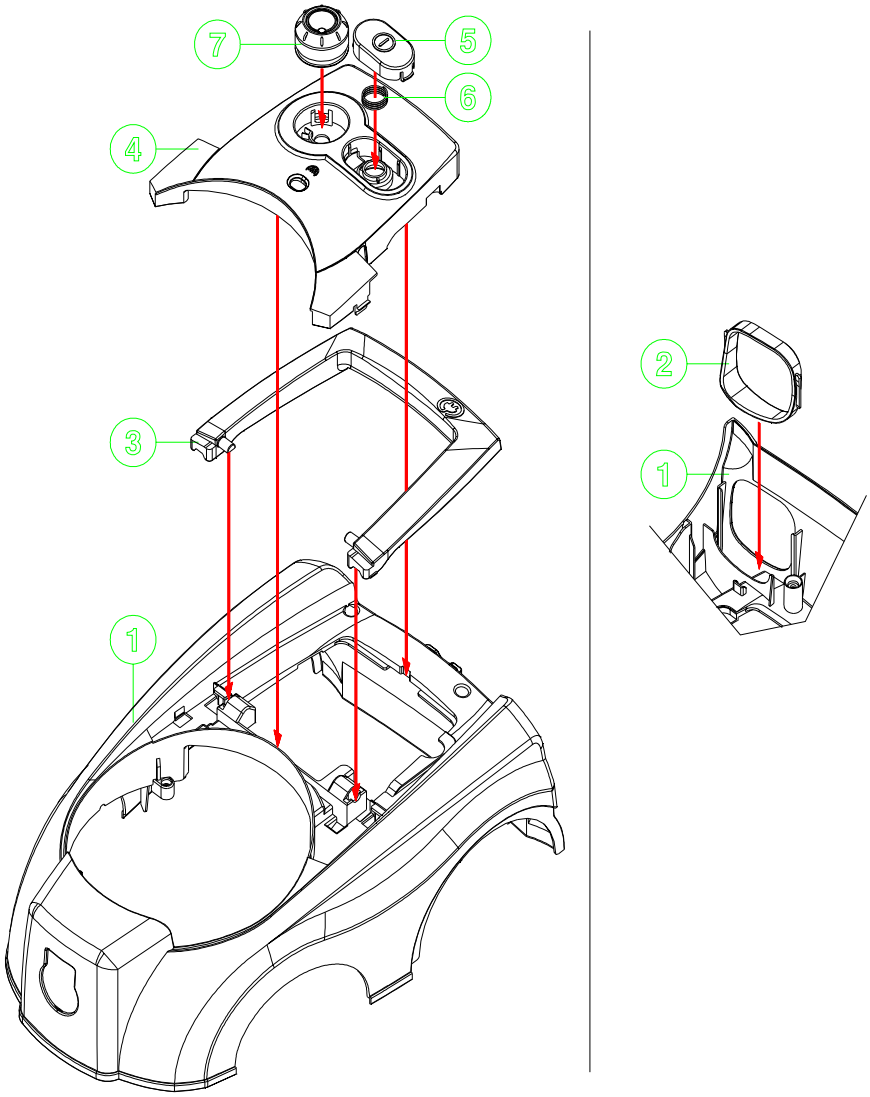
1) MODEL



NO	PART NAME	PART CODE	SPECS.	Q'YT
1	BOBBIN	3629200600	PP	1
2	HOLDER TERMINAL	4565A36020	PP(5101SW,V-0)	1
3	TERMINAL	4565A36024	C2600P-1/2H T0.3	1
4	TERMINAL	4565A36034	C2600P-1/2H T0.3	1
5	CORD POWER	362130255S	250V16A H05VVH2F 5.4M	1
6	SCREW TAPPING	7121401011	T2S PAN 4X10 MFZN	1
7	WAX VASELINE	2291140301	VASELINE	0.002
8	SHAFT CR	4569C35051	PC LEAXAN 500	1
9	SPRING AS	3625102000	SUS301-EH+COVER,3500MM	1
10	SCREW TAPPING	7121300811	T2S PAN 3X8 MFZN	2
11	BRACKET CR	3620602810	RECYCLE PP	1
12	SUPPORTER TERMINAL	3625300500	PP(5101SW)	1
13	HARNESS CR	3622718310	Y+WIRE(260) BK	1
14	HARNESS CR	3622718300	Y+WIRE(260) WH	1
15	SCREW TAPPING	7121400811	T2S PAN 4X8 MFZN	2
16	LEVER CR	3623703000	ABS	1
17	STOPPER ASSY	3625200200	ASSY	1
18	SPRING LEVER	3625104300	HSW3	1
19	SCREW TAPPING	7121401411	T2S PAN 4X14 MFZN	1

6-6. COVER BODY ASSEMBLY

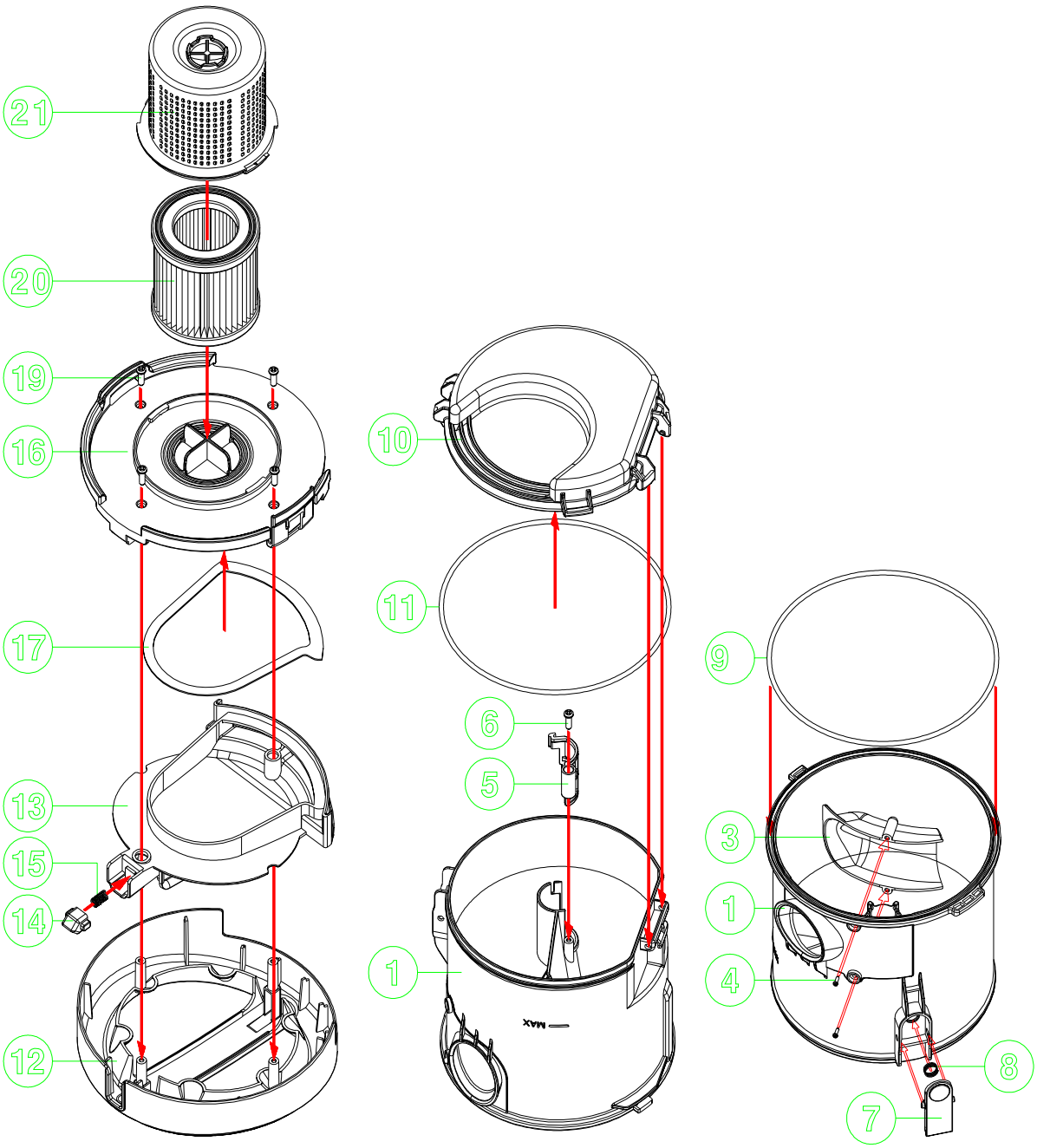
1) MODEL



NO	PART NAME	PART CODE	SPECS.	Q'YT
1	COVER BODY	3621451300	ABS	1
2	COVER CR	3621451700	ABS	1
3	HANDLE	3622607200	ABS	1
4	COVER TOP VARIABLE	3621451400	ABS	1
5	BUTTON SWITCH	3626610500	ABS	1
6	SPRING BUTTON SWITCH	3625116300	HSW3,15MM	1
7	BUTTON VARIABLE	3626610600	ABS	1

6-7. DUST BOX ASSEMBLY

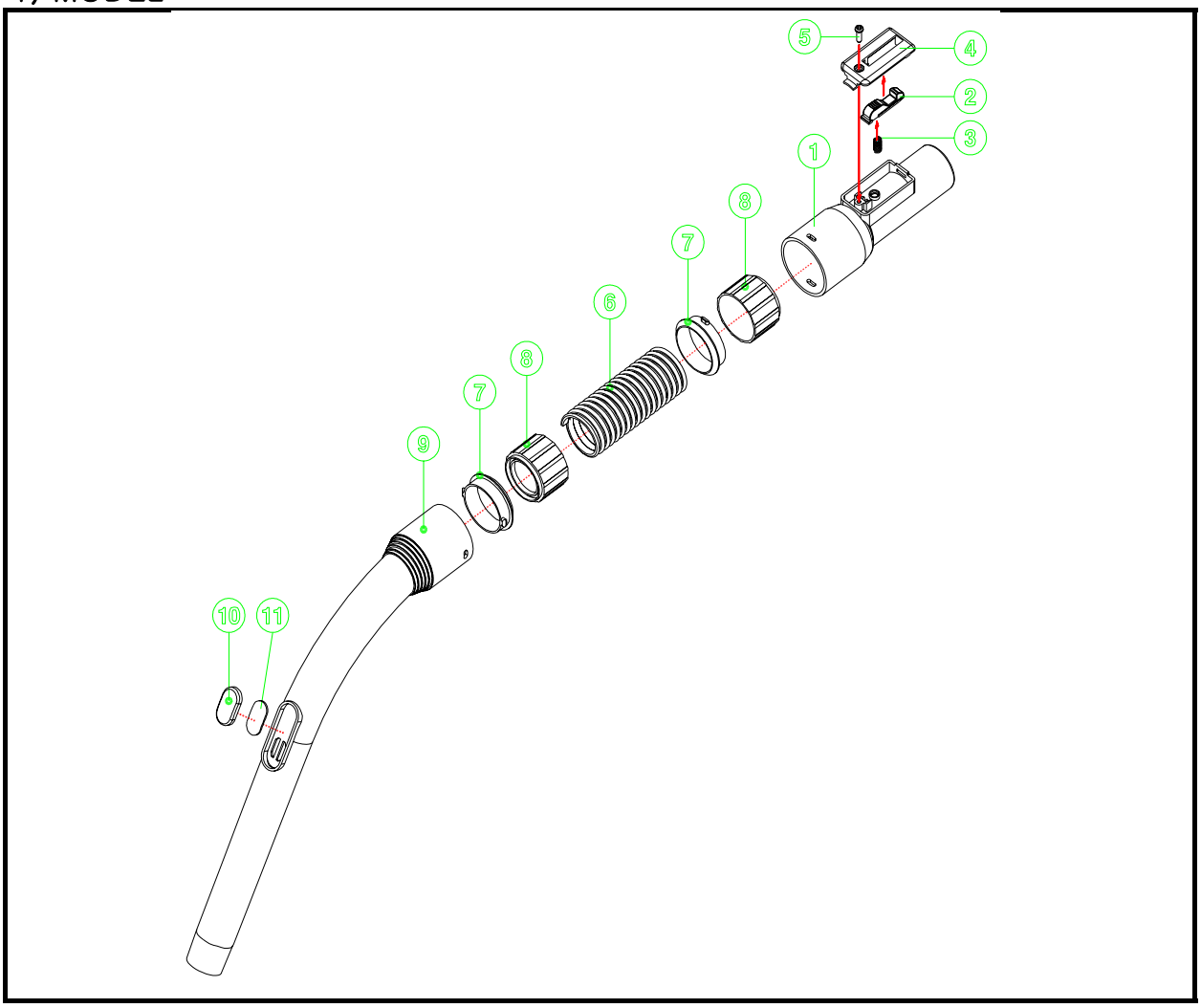
1) MODEL



NO	PART NAME	PART CODE	SPECS.	Q'YT
1	BOX DUST	3620511100	ABS(투명)	1
2	LABEL BOX	3623518200	ART+OPP, DUST BOX RCC-740	1
3	GUIDE AIR INLET	3622508200	ABS	1
4	SCREW TAPPING	7121301208	T2S PAN 3X12 SUS	2
5	FRAME BOX FILTER	3622207100	PP + 250目	1
6	SCREW TAPPING	7121301208	T2S PAN 3X12 SUS	1
7	BUTTON DOOR DUST	3626610100	ABS	1
8	SPRING BOX BOTTOM	3625113900	SUS	1
9	GASKET COVER BOX REA	3622309800	NR FOAM D3 L=460	1
10	COVER BOTTOM	3621451800	ABS	1
11	GASKET COVER BOX REA	3622309800	NR FOAM D3 L=460	1
12	COVER BOX TOP	3621452010	ABS + PAINT	1
13	COVER BOX MIDDLE	3621451900	ABS(투명)	1
14	CLAMP BOX DUST	3621204800	ABS	1
15	SPRING CLAMP BOX	3625116400	STS, 20MM	1
16	GUIDE AIR OUTLET	3622508300	ABS(투명)	1
17	GASKET OUTLET	3622310800	EVA FOAM 1T	1
18	LABEL BUTTON	3623518300	ART+OPP, GUIDE AIR OUTLET RCC	1
19	SCREW TAPPING	7121301208	T2S PAN 3X12 SUS	4
20	FILTER	3621915300	200G(VILENE,WASHABLE) URETHA	1
21	FRAME FILTER	3622207200	ABS	1

6-8. HOSE ASSEMBLY

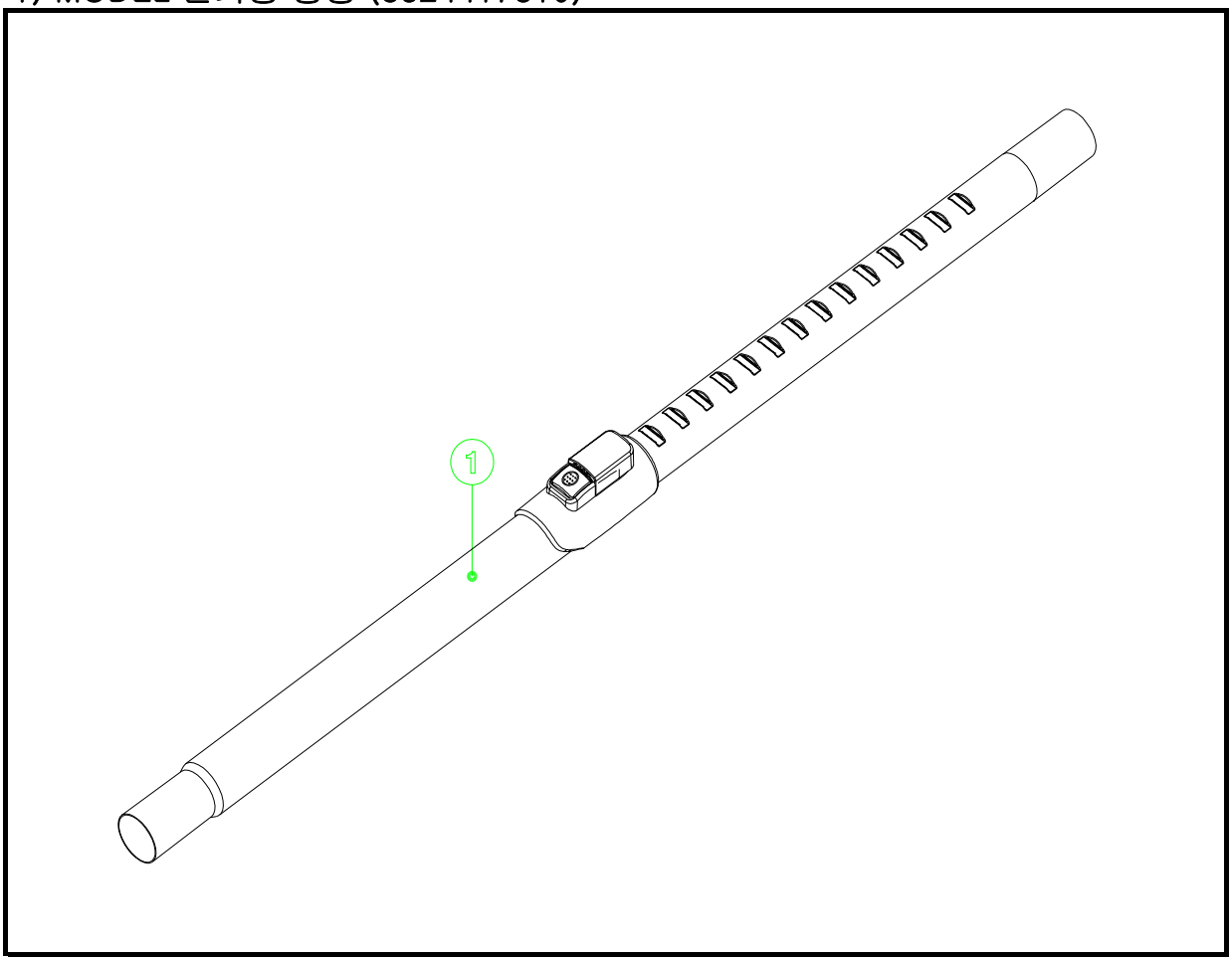
1) MODEL



NO	PART NAME	PART CODE	SPECS.	Q'YT
1	ADAPTER PIPE	3629101000	ABS KR-2870	1
2	CLAMP ADAPTER	3621200900	ABS	1
3	SPRING	3625102900	HSW3	1
4	COVER ADAPTER	3621412400	ABS KR-2870	1
5	SCREW TAPPING	7121300812	T2S PAN 3X8 MFZN BK	1
6	HOSE	3623207500	EVA, NON-CURRENT 1.6M STRING	1.6
7	HOLDER HOSE	4569A71021	PP	2
8	CUFF HOSE	3626800200	HDPE	2
9	PIPE HOSE	3624408200	PP	1
10	VALVE AIR	3625400400	PP	1
11	PACKING HOLE	3624005900	EVA FOAM	1

6-9. PIPE ASSEMBLY

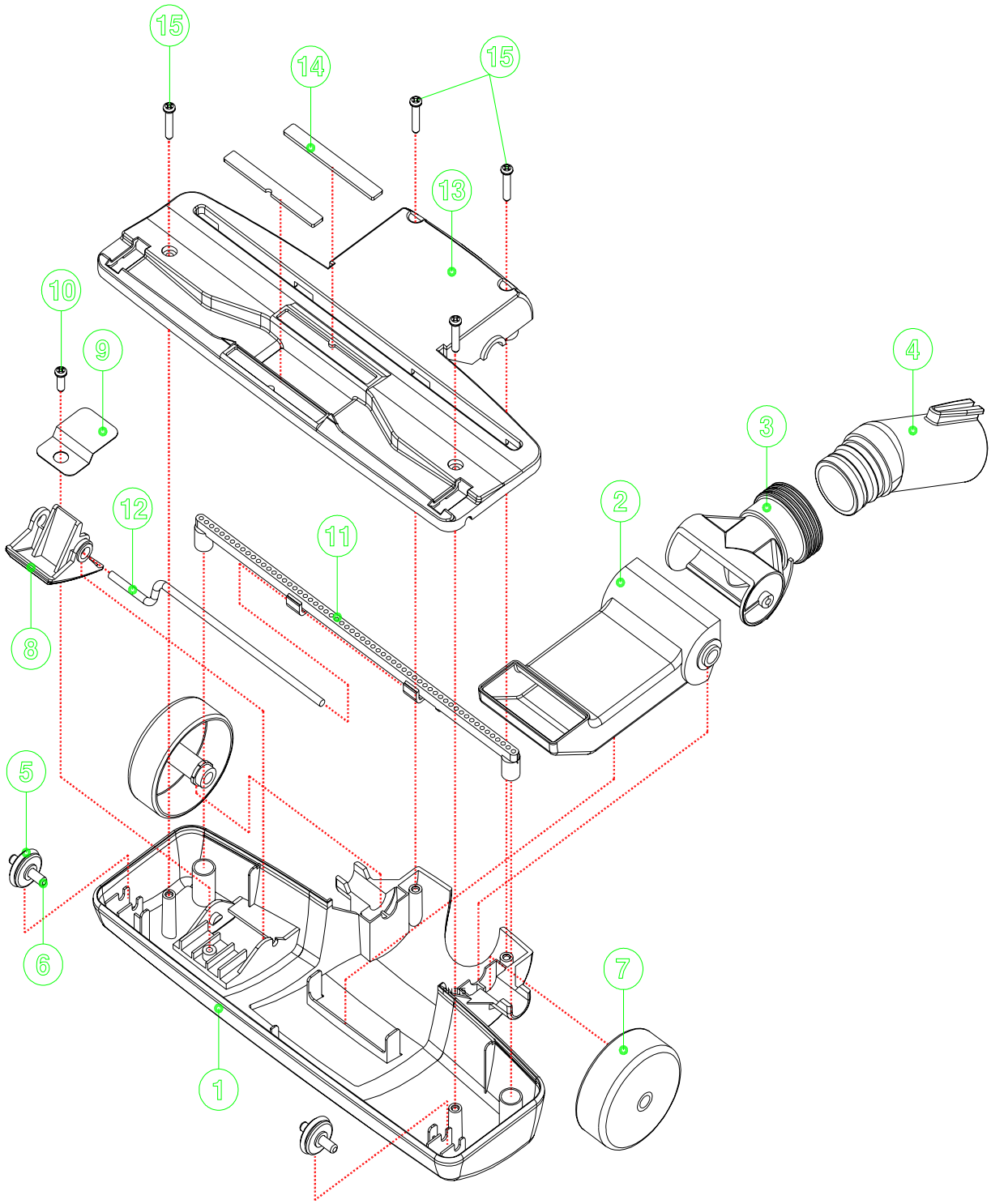
1) MODEL 전기종 공통 (3624417310)



NO	PART NAME	PART CODE	SPECS.	Q'YT
1	PIPE ASSEMBLY	36244114BH	TELESCOPIC.SPC.T0.7 - PAINTIN	1

6-10. BRUSH ASSEMBLY

1) MODEL



NO	PART NAME	PART CODE	SPECS.	Q'YT
1	COVER BRUSH	3621420800	PP	1
2	DUCT BRUSH	3629306300	PP	1
3	NECK BRUSH	3628002100	PP	1
4	PIPE BRUSH	3624408300	PP, CLEAN BR PIPE	1
5	ROLLER-F BRUSH	3624704310	PP	2
6	SHAFT ROLLER	3624900900	PA	2
7	ROLLER-B BRUSH	3624704400	PP	2
8	BUTTON BRUSH	3626604400	ABS	1
9	SPRING BUTTON	3625107300	SK-5,T=0.3	1
10	SCREW TAPPING	7128400811	T2S WAS 4X8 MFZN	1
11	SWEEPER BRUSH AS	3629306400	ASS'Y	1
12	SHAFT SWEEPER	3624901400	SWRM MFZN	1
13	BODY BRUSH	3620407800	PP	1
14	PICKER LITTER	3627000700	PA	2
15	SCREW TAPPTITE	7171401412	TT2 PAN 4X14 MFZN BK	4